



## Environmental Microbiology, Second Edition

By Raina M. Maier

Academic Press, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary:

SECTION 1 - REVIEW OF BASIC MICROBIOLOGICAL CONCEPTS 1. Introduction to Environmental Microbiology (Maier, Pepper, Gerba) 2. Microorganisms (Roane, Maier) 3. Bacterial Growth (Maier) SECTION 2 - MICROBIAL ENVIRONMENTS 4. Earth Environments (Maier, Pepper) 5. Aeromicrobiology (Pepper, Dowd) 6. Aquatic Environments (Maier, Sandrin, Dowd, Herman) 7. Extreme Environments (Maier) SECTION 3 - DETECTION, ENUMERATION, AND IDENTIFICATION 8. Environmental Sample Collection & Processing (Pepper, Gerba, Maier) 9. Microscopic Techniques (Roane, Pepper, Maier) 10. Cultural Methods (Gerba, Pepper) 11. Physiological Methods (Sandrin, Herman, Maier) 12. Immunological Methods (Dowd, Maier) 13. Nucleic Acid-Based Methods of Analysis (Newby, Maier) SECTION 4 - MICROBIAL COMMUNICATION, ACTIVITIES, AND INTERACTIONS WITH ENVIRONMENT AND NUTRIENT CYCLING 14. Biogeochemical Cycling (Maier) 15. Consequences of Biogeochemical Cycles Gone Wild (Maier, Herman) 16. Microbial Communication: Bacteria/Bacteria and Bacteria/Host (Pierson) 17. Bacterial Communities in Natural Ecosystems (Maier, Pepper) 18. Global Change and Microbial Infectious Disease (Pepper, Gerba) 19. Microbial Transport (Newby, Pepper, Maier) SECTION 5 - REMEDIATION OF ORGANIC AND METAL POLLUTANTS 20. Microorganisms and Organic Pollutants (Maier) 21. Microorganisms and Metal Pollutants (Roane, Rensing, Pepper, Maier) SECTION 6 - WATER- AND FOOD-BORNE PATHOGENS 22. Environmentally Transmitted...

### Reviews

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-- Peyton Renner IV

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